

Product Datasheet

SCAP Antibody - BSA Free

NBP2-04113

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NBP2-04113

SCAP Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

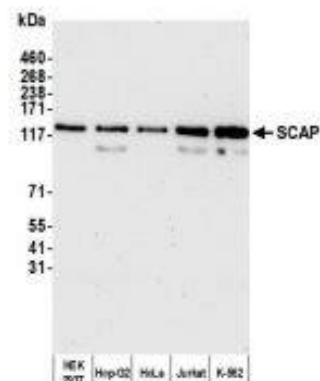
Product Description	
Host	Rabbit
Gene ID	22937
Gene Symbol	SCAP
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 450 and 500 of human Sterol Regulatory Element Binding Protein Ceavage-Activating Protein using the numbering given in entry NP_036367.2 (GeneID 22937).

Product Application Details	
Applications	Western Blot, Simple Western, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Simple Western 1:25, Immunoprecipitation 2-10 ug/mg lysate

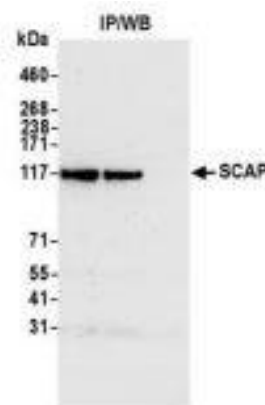


Images

Western Blot: SCAP Antibody [NBP2-04113] -Whole cell lysate (10 ug) from HEK293T, Hep-G2, HeLa, Jurkat, and K-562 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SCAP antibody used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



Immunoprecipitation: SCAP Antibody [NBP2-04113] -Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SCAP antibody used for IP at 6 µg per reaction. SCAP was also immunoprecipitated by a previous lot of this antibody. For blotting immunoprecipitated SCAP, was used at 0.1 µg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds



Publications

Mi-Hua Liu, Xiao-Long Lin, Le-Le Xiao Excess phosphate promotes SARS-CoV-2 N protein-induced NLRP3 inflammasome activation via the SCAP-SREBP2 signaling pathway. *Molecular medicine reports* 2024-01-29 [PMID: 38275129]

Li D, Liu M, Li Z et al. Sterol-resistant SCAP Overexpression in Vascular Smooth Muscle Cells Accelerates Atherosclerosis by Increasing Local Vascular Inflammation through Activation of the NLRP3 Inflammasome in Mice. *Aging and disease* 2021-06-01 [PMID: 34094640]

Muku, G E, Kusnadi, A Et al. Selective Ah receptor modulators attenuate NPC1L1-mediated cholesterol uptake through repression of SREBP-2 transcriptional activity. *Lab Invest* 2020-02-01 [PMID: 31417158] (WB, Human)

Muku, G E, Blazanin, N Et al. Selective Ah receptor ligands mediate enhanced SREBP1 proteolysis to restrict lipogenesis in sebocytes. *Toxicol Sci* 2019-06-21 [PMID: 31225620] (IF/IHC, Mouse, Human)



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Products Related to NBP2-04113

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-89624PEP	SCAP Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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